

1 GIGABIT ETHERNET TRANSCEIVER WITH ANALOG FRONT END

ABSTRACT OF THE DISCLOSURE

5 Circuitry to remove switches from signal paths in integrated circuit programmable gain attenuators. Programmable gain attenuators and programmable gain amplifiers commonly switch between signal levels using semi-conductor switches. Such switches may introduce non-linearities in the signal. By isolating the switches from the signal path linearity of the PGA can be improved.

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